



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

N.R. Architectural Products, Inc.  
4348 Westroads Drive  
West Palm Beach, FL 33407

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "NRAP 2500-PO" Aluminum Projected Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. AD12-09, titled "Series NRAP 2500-PO Projected Windows (L.M.I.)", sheets 1 through 9 of 9, dated 06/11/12, with revision #1 dated 06/13/12, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 09-0402.22 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



*Handwritten signature and date:*  
7/2/13

NOA No. 12-0619.05  
Expiration Date: September 23, 2014  
Approval Date: July 11, 2013  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**


1. Manufacturer's die drawings and sections.
2. Drawing No **AD12-09**, titled "Series NRAP 2500-PO Projected Windows (L.M.I.)", sheets 1 through 9 of 9, dated 06/11/12, with revision#1 dated 06/13/12, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of NRAP 2500-PO aluminum project-out window, specimens #1, #2, #3, #4, #5, #6 and #8, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0242-1202-08**, dated 02/18/09, and addendum letter dated 08/19/09, all signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under previous NOA# 09-0402.22)*
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of NRAP 2500-PO aluminum project-out window, specimens #7 and #9, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0242-1202-08A**, dated 02/18/09, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under previous NOA# 09-0402.22)*

**C. CALCULATIONS**

1. Anchor calculations and structural analysis, complying with FBC-2010, dated 06/04/12, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
2. Glazing complies with ASTM E1300-04

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0619.05  
Expiration Date: September 23, 2014  
Approval Date: July 11, 2013

**N.R. Architectural Products, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

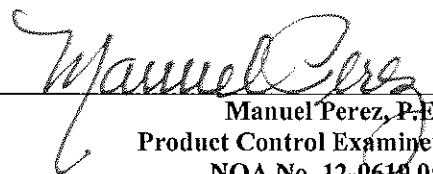
1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
3. TREMCO Part No. **TR-PS1126E** EPDM exterior glazing gasket complying with ASTM C864 Option II exceptions, ASTM D412 1600 PSI, D395B 22 HRS 158°F.

**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2010, dated June 04, 2012, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
2. Statement letter of no financial interest, dated June 04, 2012, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
3. Laboratory compliance letter for Test Reports No. **HTL 0242-0202-08** and **HTL 0242-0202-08A**, issued by Hurricane Test Laboratory, Inc., dated February 18, 2009, both signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under previous NOA# 09-0402.22)*
4. Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15-27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated April 24, 2012, signed and sealed by Yiping Wang, P.E.

**G. OTHER**

1. Notice of Acceptance No. **09-0402.22**, issued to NR Architectural Products for their Series "NRAP 2500-PO" Aluminum Projected Window – L.M.I., approved on 09/23/09 and expiring on 09/23/14.

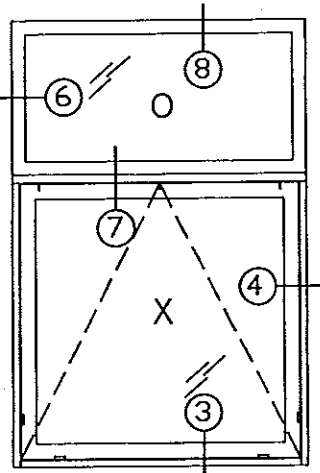
  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0649.05  
Expiration Date: September 23, 2014  
Approval Date: July 11, 2013

GENERAL NOTES: FLORIDA BUILDING CODE 2010

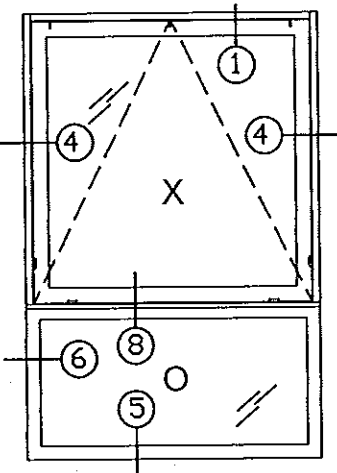
- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS A PROJECT-OUT TYPE WINDOW DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL. IMPACT SHUTTERS ARE NOT REQUIRED.
- 3- POSTING:
- "NR ARCHITECTURAL PRODUCTS, INC.  
WEST PALM BEACH - FLORIDA  
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED"
- 4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE WINDOW PRESSURE.
- 5- MATERIAL: GLAZING TO BE IMPACT LAMINATED GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
- 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
- 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
- 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.
- 9- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010 FLORIDA BUILDING CODE.
- 10- WOOD BUCKS (1x OR 2x) BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

FOR ALLOWABLE SIZES AND PRESSURES REFER TO:  
SHEETS 2, 3 AND 4

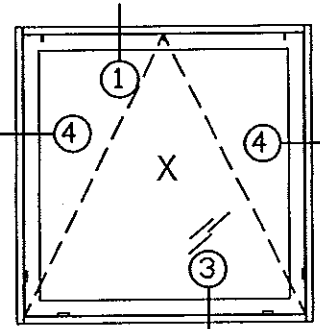
TYPICAL ELEVATIONS



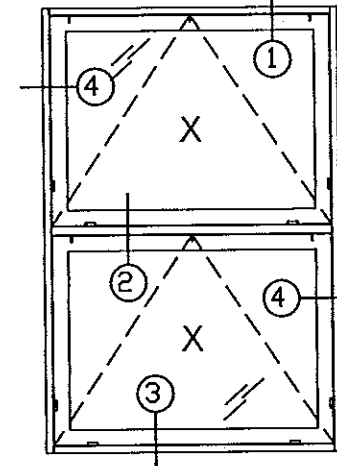
(OX) COMBINATION  
FIXED / PROJECT-OUT  
SEE SHEET 3 FOR RATING



(XO) COMBINATION  
PROJECT-OUT / FIXED  
SEE SHEET 3 FOR RATING



(X) SINGLE  
PROJECT-OUT WINDOW  
SEE SHEET 2 FOR RATING



(XX) COMBINATION  
PROJECT-OUT / PROJECT-OUT  
SEE SHEET 4 FOR RATING

INDEX:

SHEET	DESCRIPTION
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4 of 9	TABLE 3 DESIGN RATING FOR COMBINATION PROJECT-OUT / PROJECT-OUT UNITS
5 of 9	TYPICAL DETAILS
6 of 9	ANCHORAGE LAY-OUT WITH STRAPS
7 of 9	ANCHORAGE LAY-OUT WITH SHEAR CLIP
8 of 9	WINDOW COMPONENTS AND BILL OF MATERIAL
9 of 9	HARDWARE SCHEDULE, CORNER ASSEMBLY, GLAZING DETAILS & WEEP HOLES

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0619.05  
Expiration Date Sept. 23, 2014  
By *Mamuel*  
Miami Dade Product Control

YIPING WANG, P.E.  
FLORIDA REGISTRATION  
PE #55983  
C.A.N. 28677  
*Yip Wang*

DATE 06-11-12  
SCALE AS NOTED  
DRAWN A.F.  
PROJECT MCY 12-046  
DRAWING NO. AD12-09  
SHEET 1 of 9

REVISIONS

NO.	DATE	DESCRIPTION
1	06/13/12	UPDATE TO 2010 FBC

MCY

MCY ENGINEERING, INC.  
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
P: 305.271.0117  
F: 786.573.5063  
www.MCYEngineering.com  
MCY.Engineering@Att.net

SERIES NRAP 2500-PO PROJECTED WINDOWS (L.M.L.)

NR ARCHITECTURAL PRODUCTS

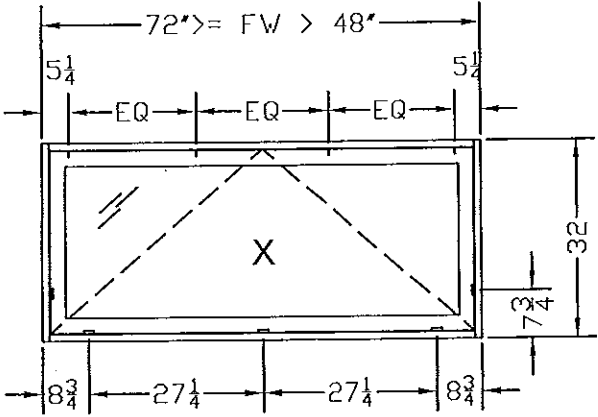
4348 WESTROADS DRIVE  
WEST PALM BEACH, FL 33407  
P: (561) 844 - 1121 F: (561) 844 - 6131

JUN 13 2012

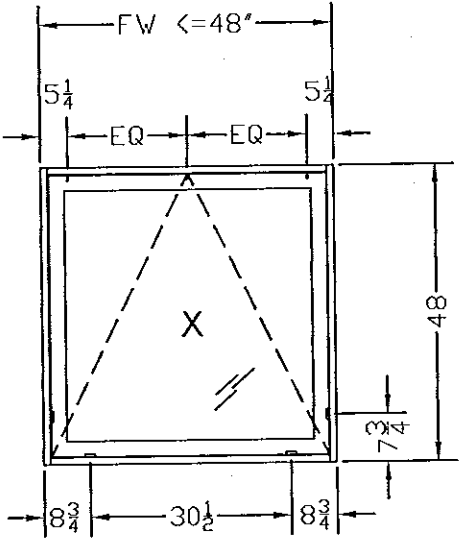
TABLE 1  
DESIGNED RATING FOR SINGLE PROJECT-OUT UNITS (PSF)

MAX. FRAME		GLASS TYPE G1		GLASS TYPE G2	
FW	FH	EXT (+)	INT (-)	EXT (+)	INT (-)
32	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	120.0	120.0
	52	75.0	75.0	93.7	93.7
	56	65.6	65.6	65.6	65.6
	64	35.1	35.1	35.1	35.1
36	72	20.5	20.5	20.5	20.5
	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	120.0	120.0
	52	75.0	75.0	87.0	87.0
	56	60.5	60.5	60.5	60.5
40	64	32.1	32.1	32.1	32.1
	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	120.0	120.0
	52	75.0	75.0	82.4	82.4
	56	56.9	56.9	56.9	56.9
44	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	120.0	120.0
	52	75.0	75.0	79.3	79.3
	56	75.0	75.0	120.0	120.0
	64	75.0	75.0	120.0	120.0
48	32	75.0	75.0	120.0	120.0
	36	75.0	75.0	120.0	120.0
	40	75.0	75.0	120.0	120.0
	44	75.0	75.0	120.0	120.0
	48	75.0	75.0	120.0	120.0
	52	75.0	75.0	120.0	120.0
	56	75.0	75.0	108.0	108.0
	64	75.0	75.0	104.7	104.7
52	32	75.0	75.0	108.0	108.0
	36	75.0	75.0	112.9	112.9
	40	75.0	75.0	108.0	108.0
	44	75.0	75.0	104.7	104.7
	48	75.0	75.0	101.1	101.1
	56	75.0	75.0	96.0	96.0
	64	75.0	75.0	83.5	83.5
	72	75.0	75.0	77.1	77.1

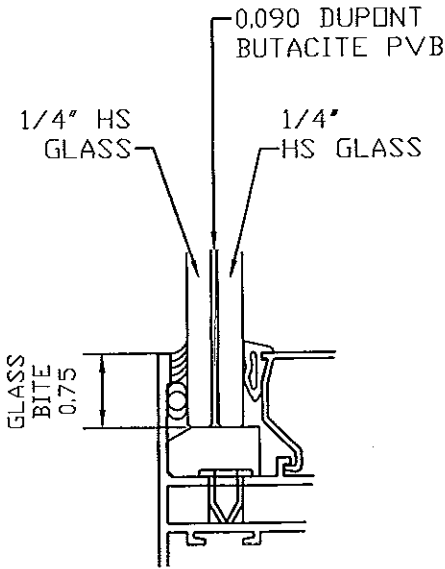
FW- FRAME WIDTH IN INCHES  
FH- FRAME HEIGHT IN INCHES  
PRESSURES IN PSF



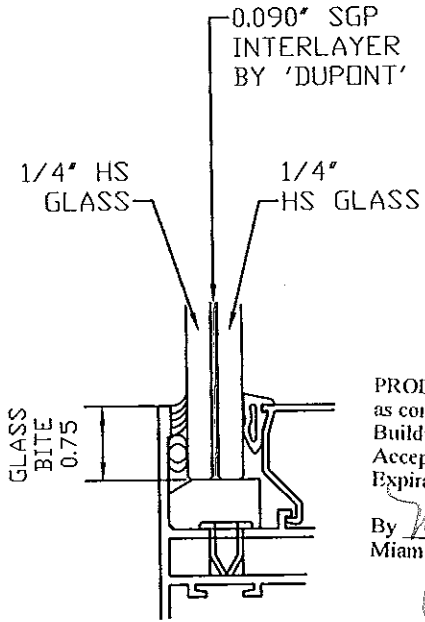
UNITS WITH WIDTH GREATER  
THAN 48" WILL REQUIRE:  
3 SILL LOCKS AND 4 HEADER SNUBBERS



UNITS WITH WIDTH LESS OR EQUAL  
THAN 48" WILL REQUIRE:  
2 SILL LOCKS AND 3 HEADER SNUBBERS



GLASS TYPE G1  
9/16" LAMINATED



GLASS TYPE G2  
9/16" LAMINATED

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-D619-05  
Expiration Date Sept. 23, 2014  
By *Manuel Perez*  
Miami Dade Product Control

YIPING WANG, P.E.  
FLORIDA REGISTRATION  
PE #55983  
C.A.N. 28677

*Yiping Wang*

REVISIONS		NO. DATE DESCRIPTION	
1		06/19/12 UPDATE TO 2010 FBC	

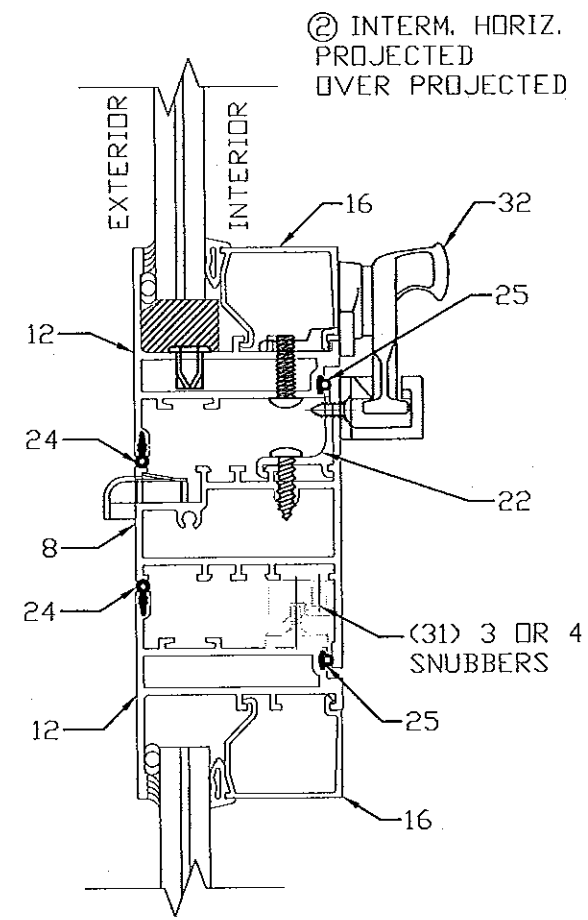
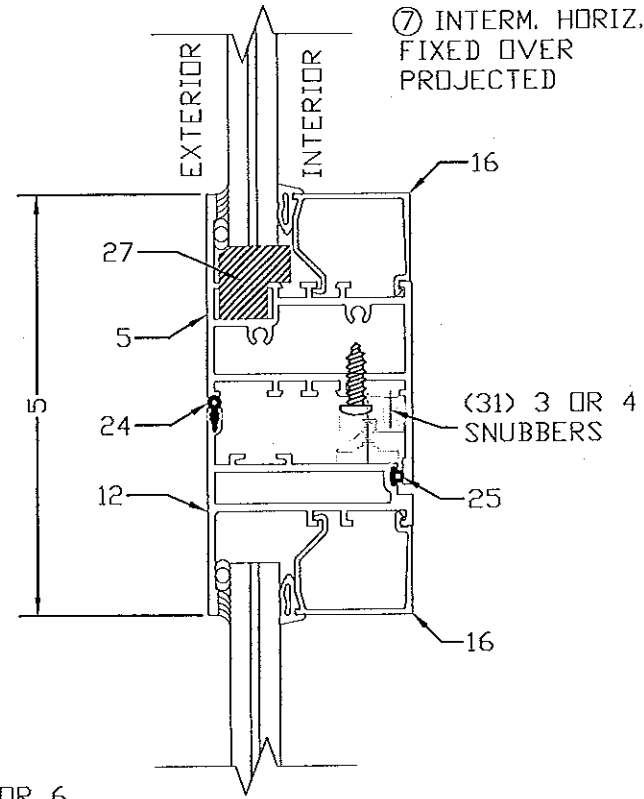
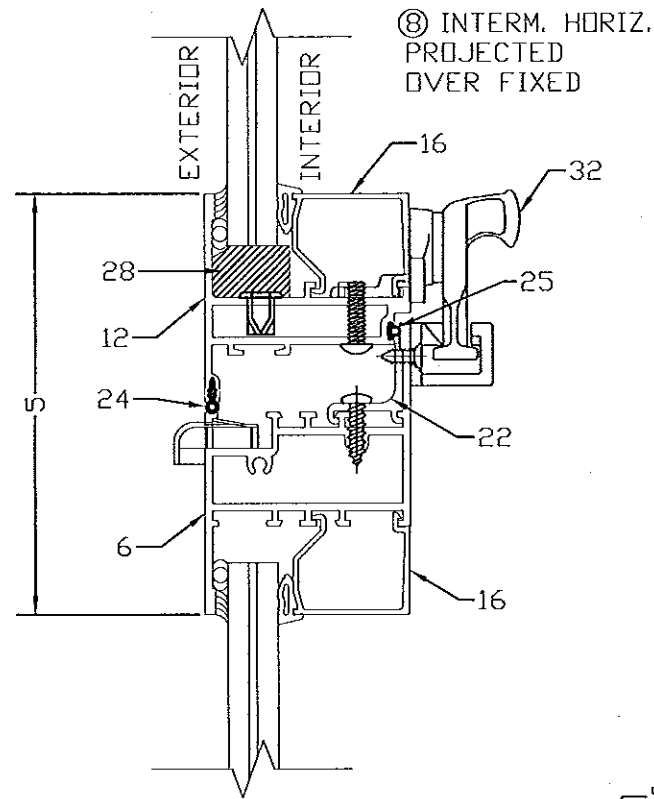
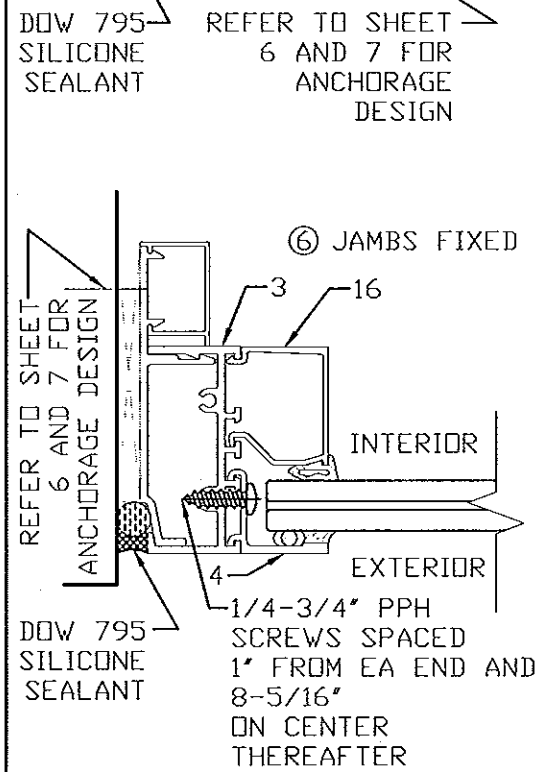
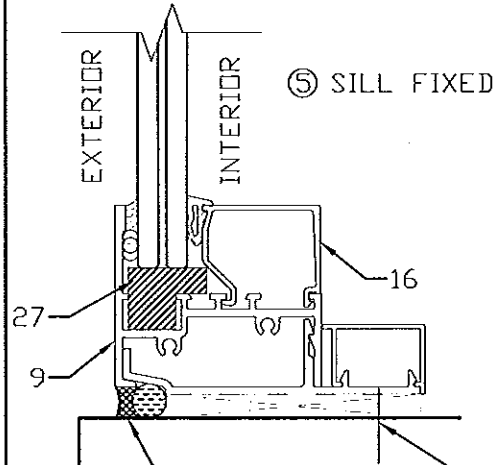
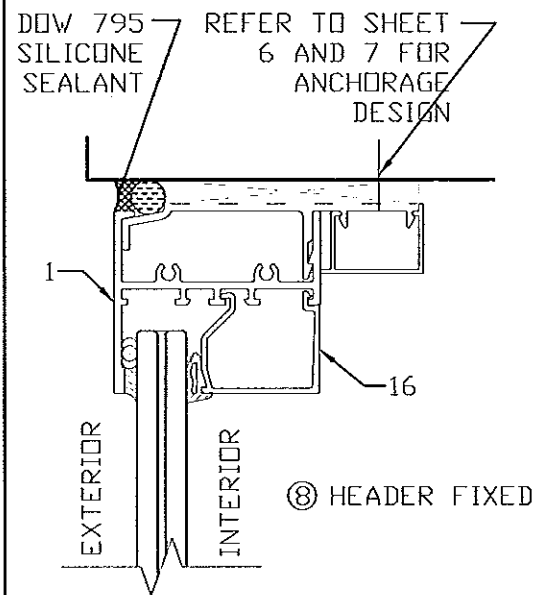
MCY ENGINEERING, INC.		GLAZING CONSULTANTS	
8501 SW 124 AVE. STE. 205A		P: 305.271.0117	
MIAMI, FL 33183		F: 786.573.5083	
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4348 WESTROADS DRIVE		WEST PALM BEACH, FL 33407	
P: (561) 844 - 1121		F: (561) 844 - 6131	

DATE	06-11-12
SCALE	AS NOTED
DRAWN	A.F.
PROJECT	MCY 12-046

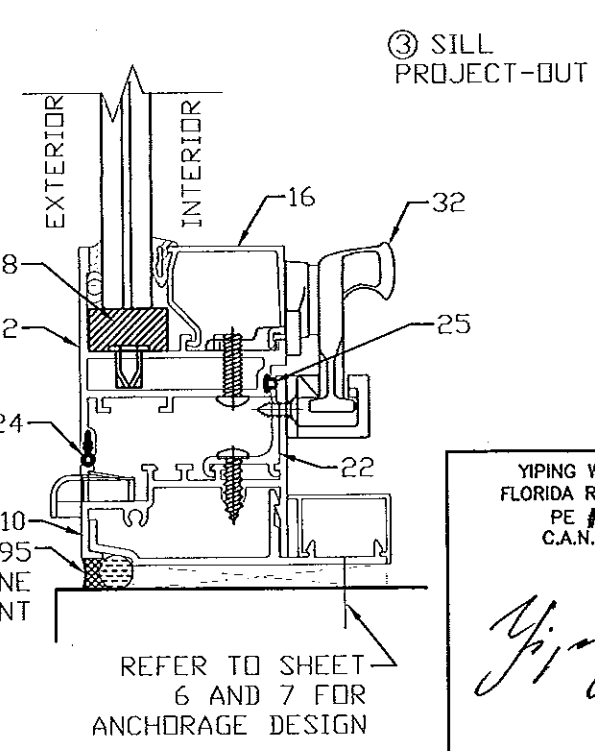
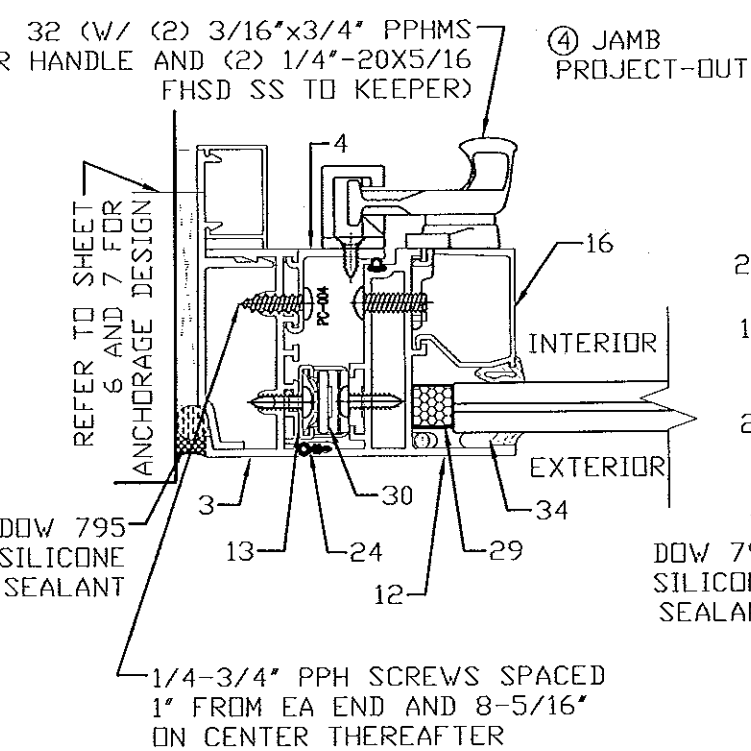
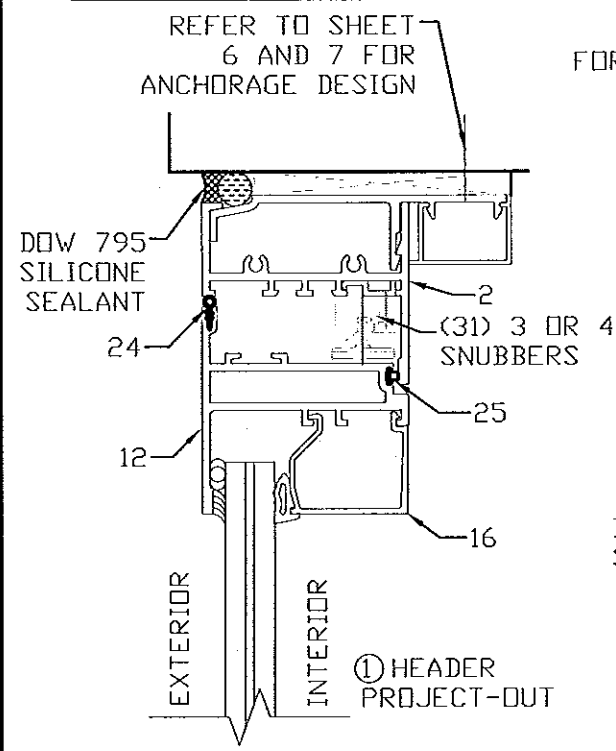
DRAWING NO.	
AD12-09	
SHEET 2 of 9	





5 OR 6  
22  
1/4-3/4" PPH SCREWS  
3/4" FROM ENDS, (2) AT 2" OC  
AND THE BALANCE AT 6-5/8" OC

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0619.05  
Expiration Date Sep. 23, 2014  
By *Maurice Perez*  
Miami Dade Product Control



YIPING WANG, P.E.  
FLORIDA REGISTRATION  
PE #55983  
C.A.N. 28677  
*Yiping Wang*

REVISIONS	
NO.	DESCRIPTION
1	06/13/12 UPDATE TO 2010 FBC

**MCY**

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GLAZING CONSULTANTS

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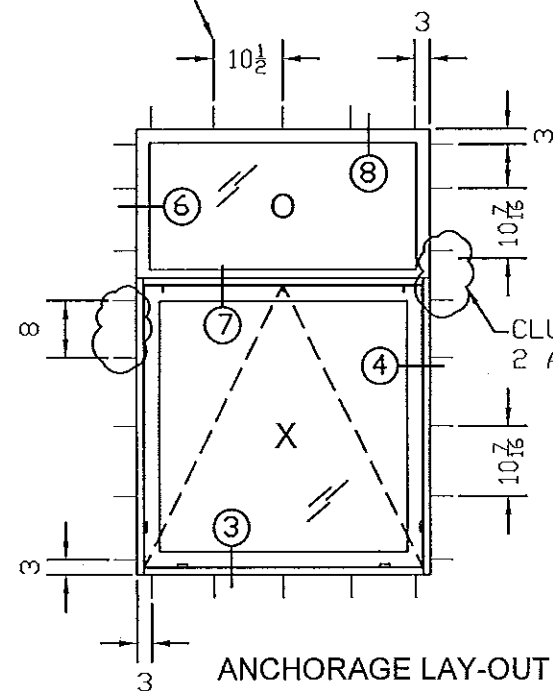
DATE	06-11-12
SCALE	AS NOTED
DRAWN	A.P.
PROJECT	MCY 12-046

DRAWING NO.  
AD12-09

SHEET 5 of 9

JUN 13 2012

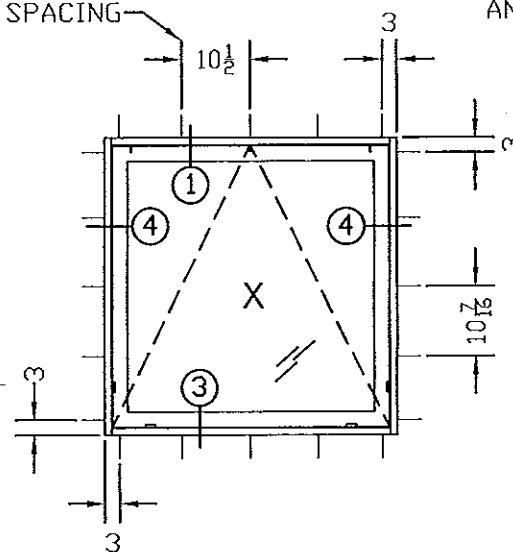
TYPICAL MAX.  
ANCHOR SPACING



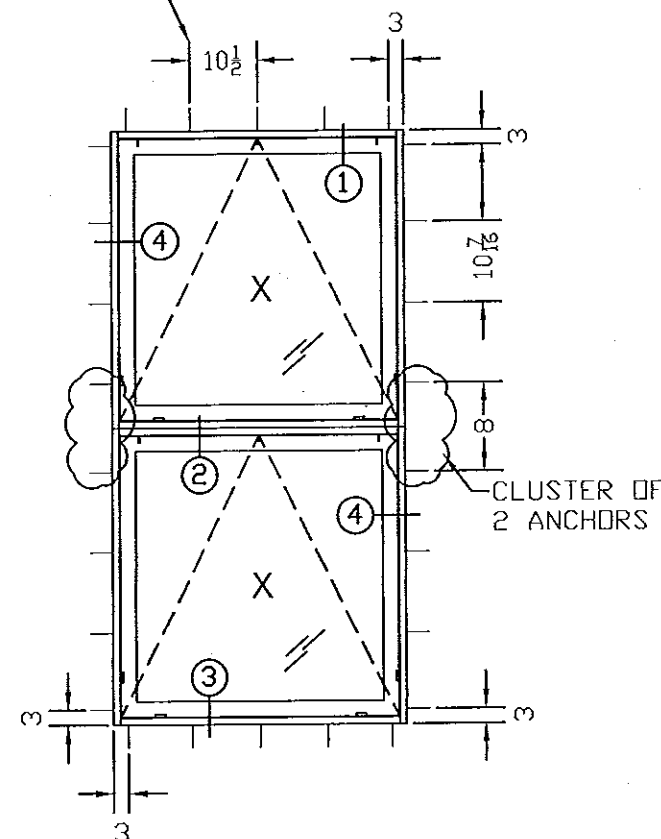
ANCHORAGE LAY-OUT WITH STRAP

TYPE	DESCRIPTION	PENETRATION	EDGE DIST.	SUBSTRATUM
A	1/4" TAPCONS	1 1/4"	2-1/2"	MASONRY OR CONCRETE
B	1/4" TAPCONS	1 1/2"	3/4"	INTO 2X BUCK (G>=0.55)
C	1/4-14 SDS	1/8"	1/2"	6063-T6 ALUMINUM ASTM A36 STEEL

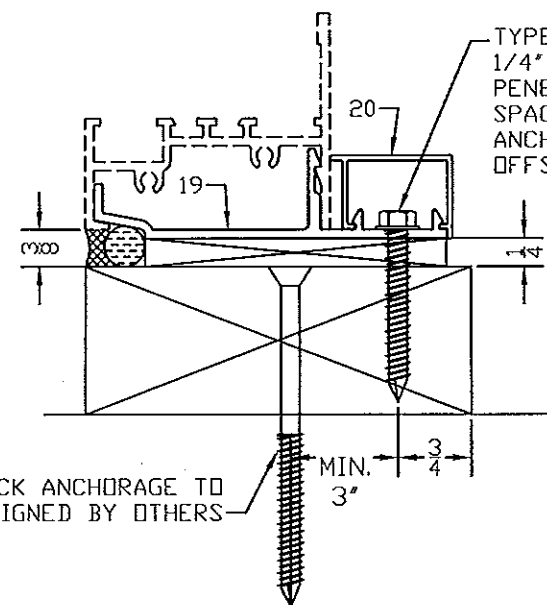
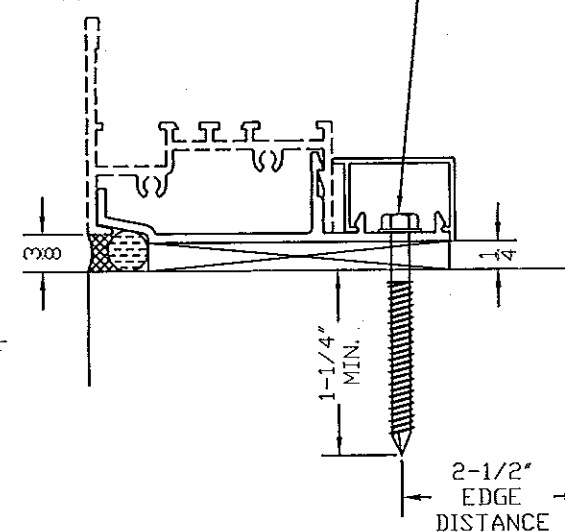
TYPICAL MAX.  
ANCHOR SPACING



TYPICAL MAX.  
ANCHOR SPACING

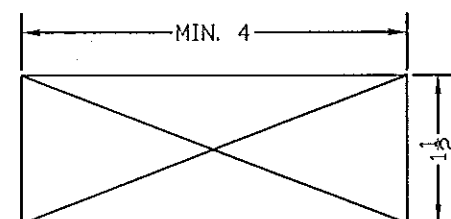


TYPE A  
1/4" TAPCONS WITH 1 1/4"  
PENETRATION INTO CONCRETE  
SPACED AS PER ELEVATION

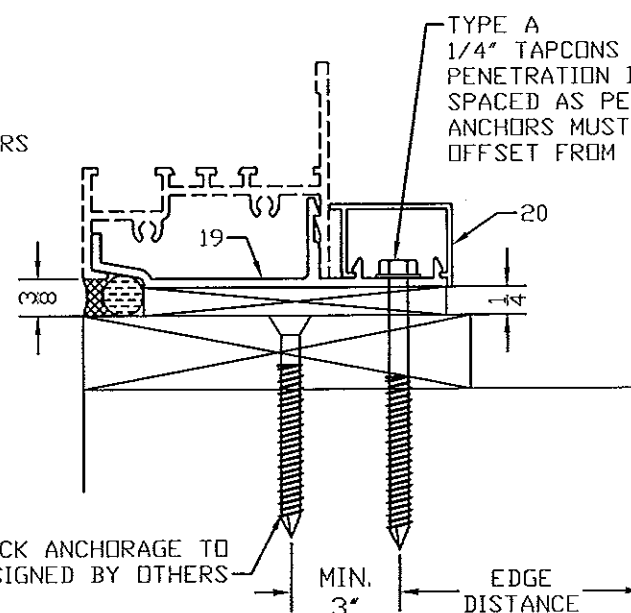


TYPE B  
1/4" TAPCONS WITH 1 1/2"  
PENETRATION INTO 2X BUCK  
SPACED AS PER ELEVATION  
ANCHORS MUST BE MIN. 3"  
OFFSET FROM 2X BUCK ANCHORS

2X BUCK ANCHORAGE TO  
BE DESIGNED BY OTHERS

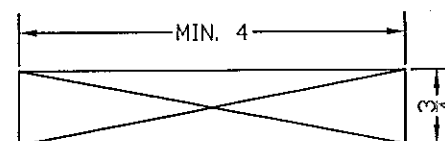


2X PRESSURE TREATED  
SOUTHERN PINE G>=0.55



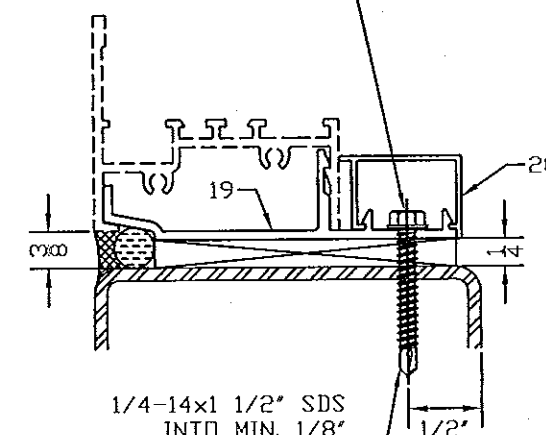
TYPE A  
1/4" TAPCONS WITH 1 1/4"  
PENETRATION INTO CONCRETE  
SPACED AS PER ELEVATION  
ANCHORS MUST BE MIN. 3"  
OFFSET FROM 1X BUCK ANCHORS

1X BUCK ANCHORAGE TO  
BE DESIGNED BY OTHERS



1X PRESSURE TREATED  
SOUTHERN PINE G>=0.55

TYPE C  
1/4"-14X1" GRADE 5 SDS  
INTO METAL STRUCTURES  
SPACED AS PER ELEVATION



1/4-14x1 1/2" SDS  
INTO MIN. 1/8"  
METAL STRUCTURES  
STEEL: MIN. ASTM A36  
ALUMINUM: MIN. 6063-T6

PRODUCT REVISED

as complying with the Florida

Building Code

Acceptance No. 12-0619.05

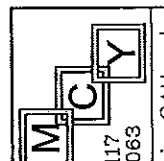
Expiration Date Sept. 23, 2014

By *Manuel Perez*  
Miami Dade Product Control

YIPING WANG, P.E.  
FLORIDA REGISTRATION  
PE #55983  
C.A.N. 28677

*Yiping Wang*

NO.	DATE	DESCRIPTION
1	06/13/12	UPDATE TO 2010 FBC



MCY ENGINEERING, INC.  
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
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www.MCYEngineering.com  
MCY.Engineering@Att.net

SERIES NRAP 2500-PO PROJECTED WINDOWS (L.M.I.)

NR ARCHITECTURAL PRODUCTS

4348 WESTROADS DRIVE

WEST PALM BEACH, FL 33407

P: (561) 844-1121 F: (561) 844-6131

DATE	06-11-12
SCALE	AS NOTED
DRAWN	A.F.
PROJECT	MCY 12-046

DRAWING NO.

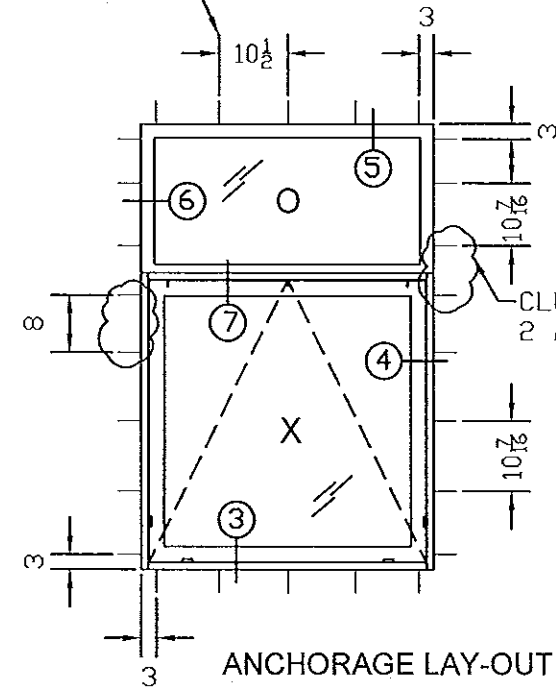
AD12-09

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JUN 13 2012



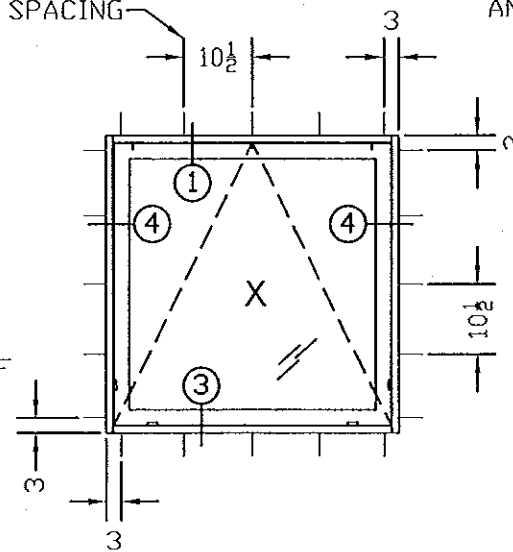
TYPICAL MAX.  
ANCHOR SPACING



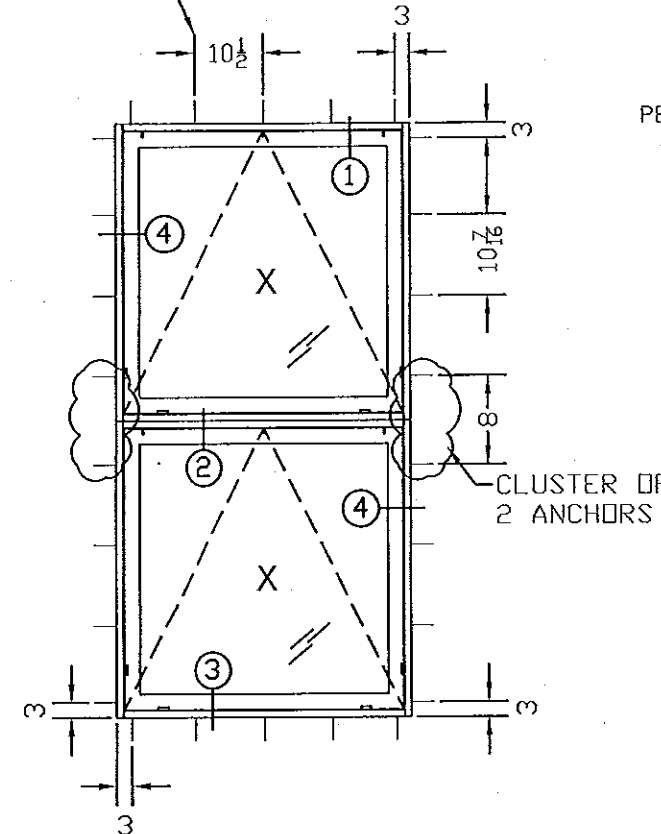
ANCHORAGE LAY-OUT WITH SHEAR CLIP

TYPE	DESCRIPTION	PENETRATION	EDGE DIST.	SUBSTRATUM
A	1/4" TAPCONS	1 1/4"	2-1/2"	MASONRY OR CONCRETE
B	1/4" TAPCONS	1 1/2"	3/4"	INTO 2X BUCK (G>=0.55)
C	1/4-14 SDS	1/8"	1/2"	6063-T6 ALUMINUM ASTM A36 STEEL

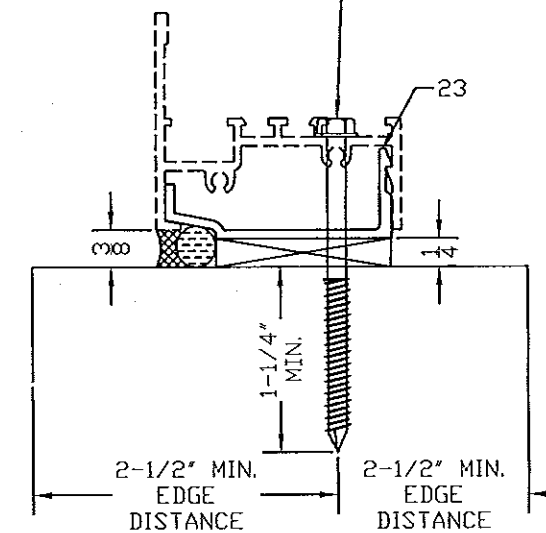
TYPICAL MAX.  
ANCHOR SPACING



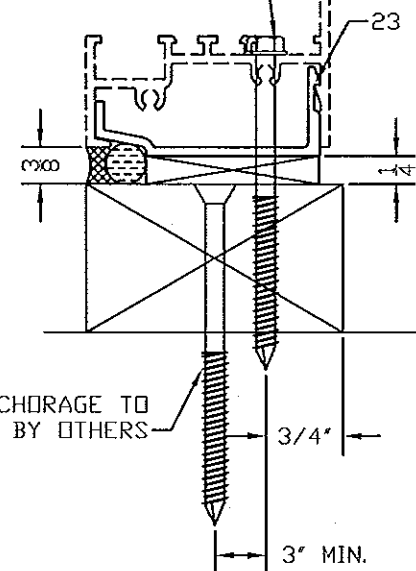
TYPICAL MAX.  
ANCHOR SPACING



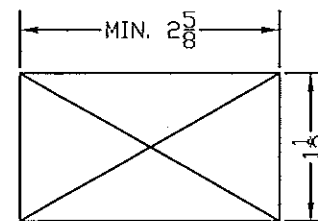
1/4" TAPCONS WITH 1 1/4"  
PENETRATION INTO CONCRETE  
SPACED AS PER ELEVATION



TYPE B  
1/4" TAPCONS WITH 1 1/2"  
PENETRATION INTO 2X BUCK  
SPACED AS PER ELEVATION  
ANCHORS MUST BE MIN. 3"  
OFFSET FROM 2X BUCK ANCHORS



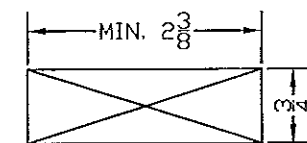
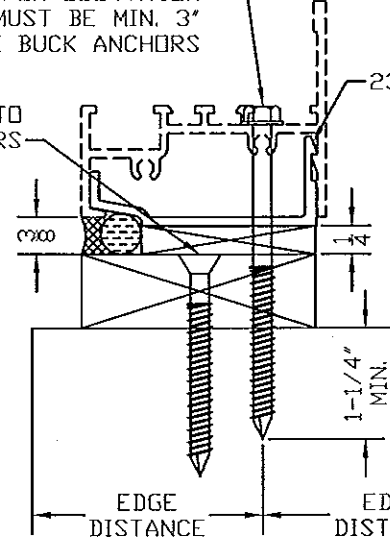
2X BUCK ANCHORAGE TO  
BE DESIGNED BY OTHERS



2X PRESSURE TREATED  
SOUTHERN PINE G>=55

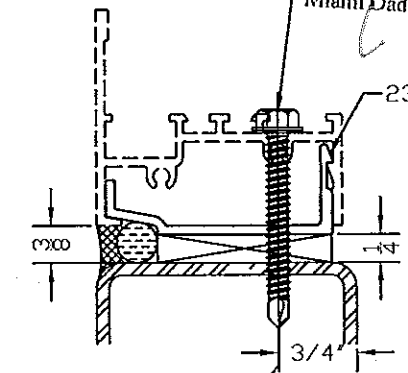
TYPE A  
1/4" TAPCONS WITH 1 1/4"  
PENETRATION INTO CONCRETE  
SPACED AS PER ELEVATION  
ANCHORS MUST BE MIN. 3"  
OFFSET FROM 2X BUCK ANCHORS

1X BUCK ANCHORAGE TO  
BE DESIGNED BY OTHERS



1X PRESSURE TREATED  
SOUTHERN PINE G>=55

1/4"-14X2"  
SELF DRILLING SCREWS  
INTO METAL STRUCTURES  
SPACED AS PER ELEVATION



1/4-14x1 1/2" SDS  
INTO MIN. 1/8"  
METAL STRUCTURES  
STEEL: MIN. ASTM A36  
ALUMINUM: MIN. 6063-T6

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0689.05  
Expiration Date Sept 23, 2014  
By *Manuel*  
Miami Dade Product Control

YIPING WANG, P.E.  
FLORIDA REGISTRATION  
PE #55983  
C.A.N. 28677

*Yip Wang*

REVISIONS	DATE	DESCRIPTION
1	06/13/12	UPDATE TO 2010 FBC

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS  
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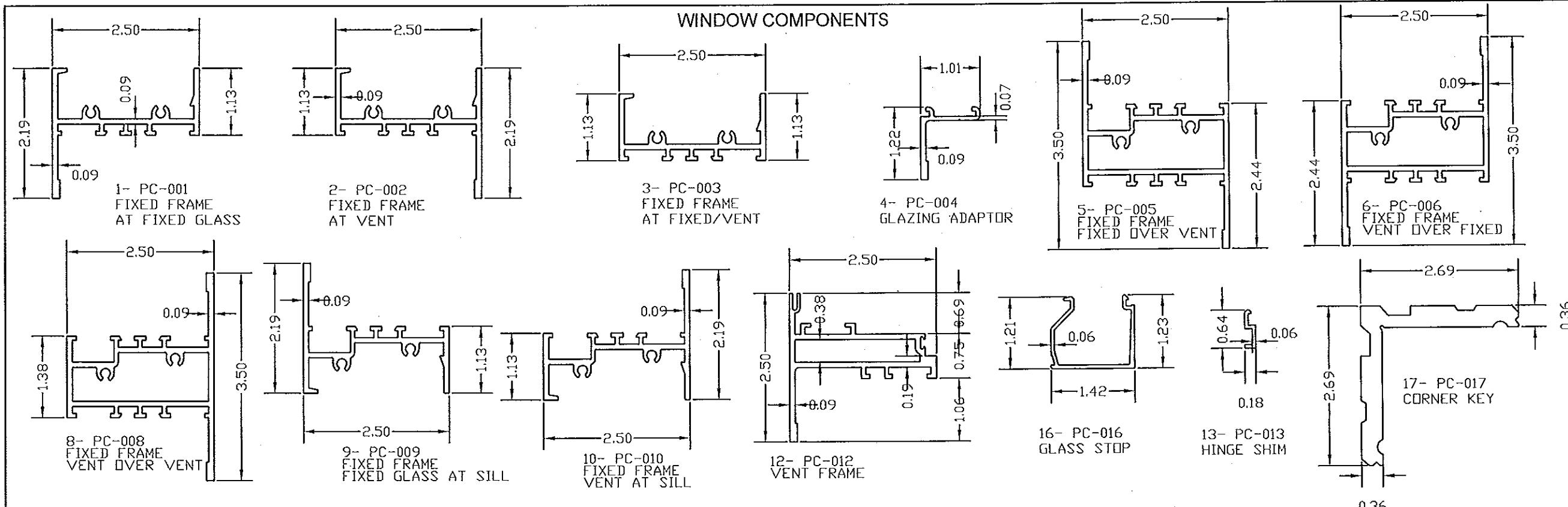
**SERIES NRAP 2500-PO PROJECTED WINDOWS (L.M.I.)**  
**NR ARCHITECTURAL PRODUCTS**  
4948 WESTROADS DRIVE  
WEST PALM BEACH, FL 33407  
P: (561) 844-1121 F: (561) 844-6131

DATE	06-11-12
SCALE	AS NOTED
DRAWN	A.P.
PROJECT	MCY 12-046

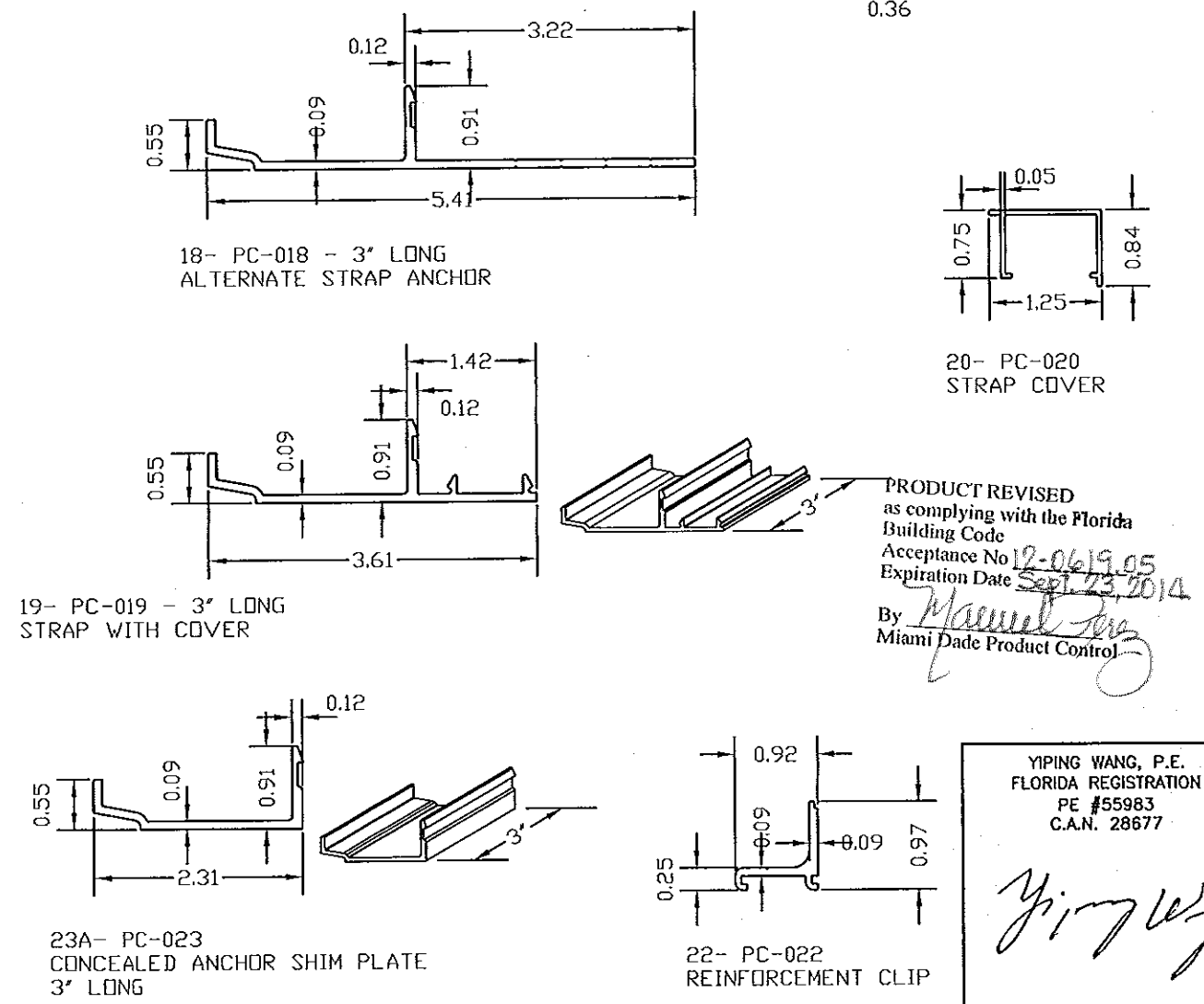
DRAWING NO.  
AD12-09

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JUN 13 2012



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	PC-001	1	FIXED FRAME AT FIXED GLASS	ALUM	-
2	PC-002	1	FIXED FRAME AT VENT	ALUM	-
3	PC-003	1	FIXED FRAME AT FIXED/VENT	ALUM	-
4	PC-004	2/ PANEL	GLAZING ADAPTOR	ALUM	-
5	PC-005	2/ PANEL	FIXED FRAME OVER FIXED VENT	ALUM	-
6	PC-006	AS REQD.	FIXED FRAME VENT OVER FIXED	ALUM	-
8	PC-008	AS REQD.	FIXED FRAME VENT OVER VENT	ALUM	-
9	PC-009	AS REQD.	FIXED FRAME FIXED GLASS AT SILL	ALUM	-
10	PC-010	AS REQD.	FIXED FRAME VENT AT SILL	ALUM	-
12	PC-012	AS REQD.	VENT FRAME PROJECTED	ALUM	-
13	PC-013	1 / PANEL	HINGE SHIM	ALUM	-
16	PC-016	AS REQD.	GLASS STOP	ALUM	-
17	PC-017	4 PER VENT	CORNER KEY	ALUM	-
18	PC-018	AS REQD.	STRAP ANCHOR	ALUM	-
19	PC-019	AS REQD.	STRAP ANCHOR (CONCEALED)	ALUM	-
20	PC-020	AS REQD.	STRAP COVER	ALUM	-
22	PC-022	AS REQD.	REINFORCEMENT CLIP	ALUM	-
23A	PC-023	AS REQD.	CONCEALED ANCHOR SHIM PLATE	ALUM	-
23	NR-020	AS REQD.	INTERNAL POLY-WEDGE GASKET PS1126E	70 DURO EPDM	TREMCO
24	NR-021	AS REQD.	EXTERNAL WEATHERSEAL AP150	EXTRUDED TPE	SCHLEAGAL
25	NR-022	AS REQD.	INTERNAL WEATHERSEAL TLOCK 150	POLYETHELENE	SCHLEAGAL
26	NR-023	-	WEEP VALVES VL 1028-107	SILICONE	VERNAV
27	NR-024	-	FIXED GLASS SETTING BLOCK TR-1621E	EPDM	TREMCO
28	NR-025	-	GLASS SETTING BLOCK TR-1365E	70 DURO EPDM	TREMCO
29	NR-026	-	FIXED GLASS SETTING BLOCK TR-0214E	70 DURO EPDM	TREMCO
30	NR-A20	-	20" 4-BAR INLINE HINGE S-2000 220	ALUM	ADVANTAGE MFG. CORP
31	NR-A21	-	SNUBBER 616-625/062	SS	ADVANTAGE MFG. CORP
32	NR-A22	-	CAMLOCK 4004/420	BRONZE	BRONZE CRAFT
33	NR-A23	-	WEEP SLOT COVER	PLASTIC	NR ARCHITECTURAL PRODUCTS
34	NR-A24	-	PVC SPACER VK2526	PVC	CAPITAL TAPE
35	NR-F12	-	BASE FRAME FIXING SCREW	SS	#12 X 3/4" PPH TS
36	NR-F13	-	ADAPTOR FIXING SCREW	SS	#12 X 3/4" PPH TS



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0619-05  
Expiration Date Sept 23, 2014  
By *Maureen*  
Miami Dade Product Control

YIPING WANG, P.E.  
FLORIDA REGISTRATION  
PE #55983  
C.A.N. 28677  
*Yiping Wang*

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**MCY**

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

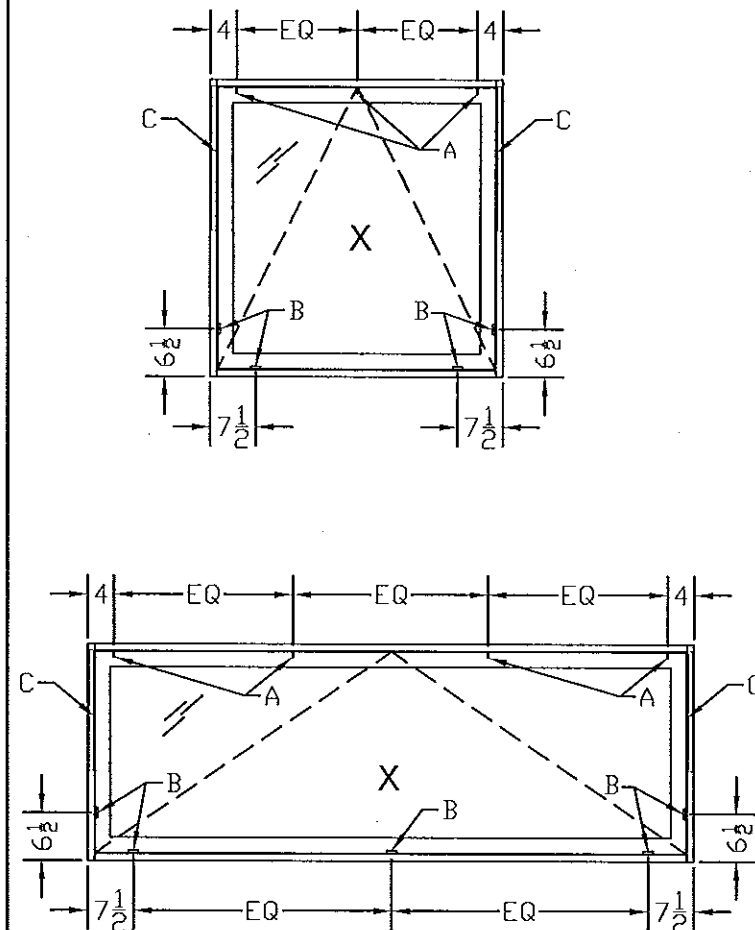
8501 SW 124 AVE. STE. 205A  
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**SERIES NRAP 2500-PO PROJECTED WINDOWS (L.M.I.)**  
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4348 WESTROADS DRIVE  
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P: (561) 844-1121 F: (561) 844-6131

DATE	06-11-12
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DRAWING NO.  
**AD12-09**

SHEET 8 of 9



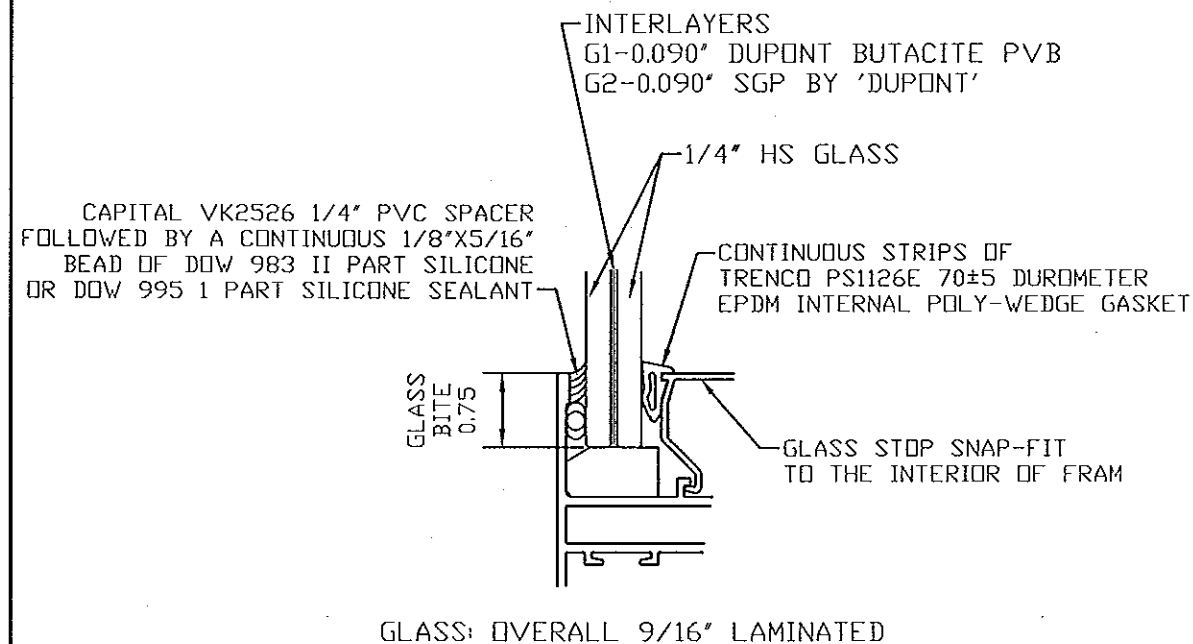
#### HARDWARE SCHEDULE:

A- AMC SNUBBER ASSEMBLY CONSISTING OF A DRIVER AND RECEIVER. 3 OR 4 SNUBBER ASSEMBLIES WHERE LOCATED AT VENT HEADER, 4" FROM EACH END AND THE OTHERS EQUALLY SPACED. THE RECEIVER WAS ATTACHED TO THE FRAME BASE USING (3) #10X3/4" PPH SELF TAPPING SS SCREWS AT EACH LOCATION. THE DRIVER WAS ATTACHED TO THE OPERABLE VENT USING (2) #10X3/4" PPH SELF TAPPING SS SCREWS AT EACH LOCATION.

B- BRONZECRAFT CAMLOCK ASSEMBLY CONSISTING OF THE HANDLE AND KEEPER. 1 LOCK PER JAMB LOCATED 6-1/2" FROM THE SILL AND 2 OR 3 LOCKS PER SILL LOCATED 7-1/2" FROM THE JAMBS AND 1 AT MIDDLE WHEN REQUIRED.

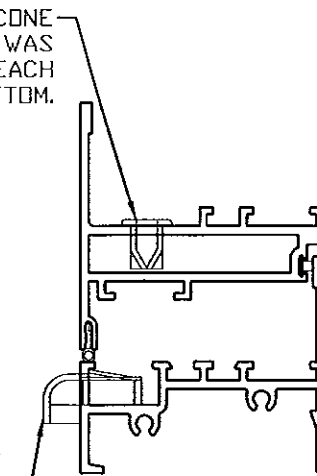
C- AMC 220 20" SERIES 2000 4-BAR INLINE HINGES ATTACHED USING #10X5/8" PPH SELF TAPPING SCREWS, FOUR PER OPERABLE VENT AND EIGHT PER BASE FRAME.

#### GLAZING DETAIL

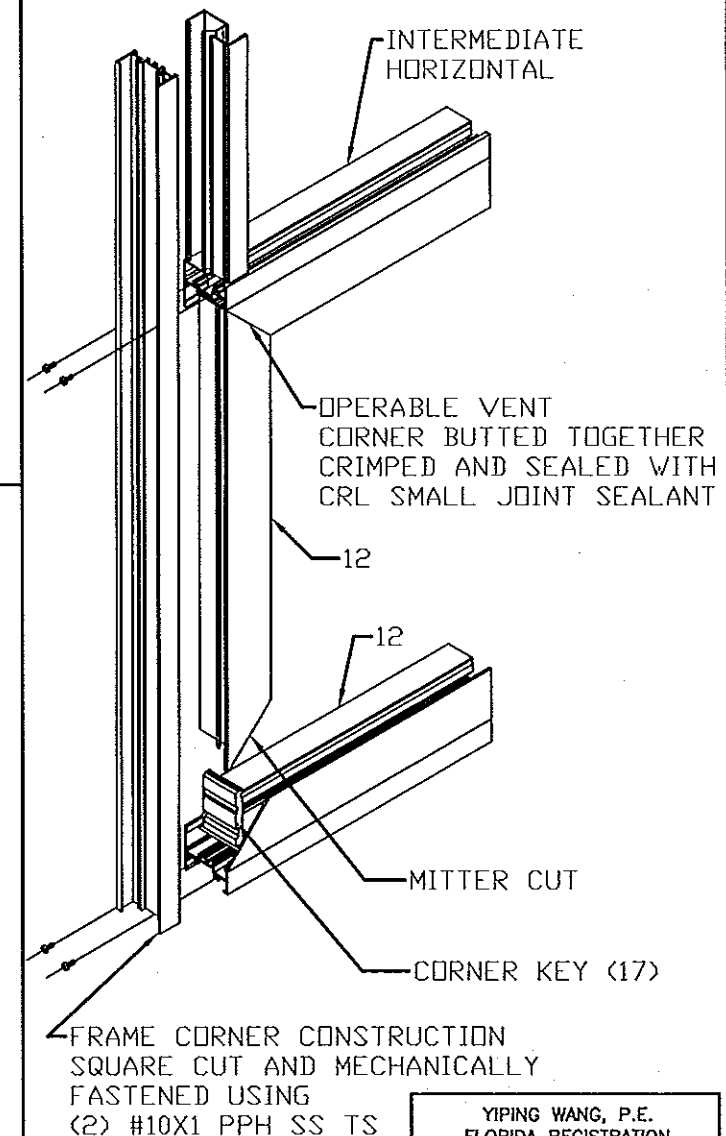


#### WEEP HOLES, WATER DIVERTERS, COVERS

- (1) VERNAY VL 1026-107 SILICONE SLIT DUCKBILL WEEP VALVE WAS PRESENT AT MIDSPAN OF EACH SPECIMEN'S VENT BOTTOM.
- (3) 5/16"X1-3/8" WEEP HOLES (2) SPACED AT 4" FROM EACH END AND (1) LOCATED AT MID SPAN ALL WEEP HOLES UTILIZED A INJECT MOLDED WEEP HOLE COVER BY NR ARCHITECTURAL PRODUCTS



#### CORNER ASSEMBLY



PRODUCT REVISED  
is complying with the Florida  
Building Code  
Acceptance No 12-0619.05  
Expiration Date Sept. 23, 2014  
By *Manuel Jara*  
Miami Dade Product Control

YIPING WANG, P.E.  
FLORIDA REGISTRATION  
PE #55983  
C.A.N. 28677

*Yiping Wang*

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